## Restoration Coordination Program Status of Projects and Programs September 3, 1999

Fund	Total Amount Appropriated	Funds Approved for Projects <sup>1</sup>	Projects Under Contract	Funds Expended to Date
Federal Bay-Delta Act 1998	\$85 million	\$ 85 million (88 projects)	\$ 76 million	\$ 10.8 million
Federal Bay-Delta Act 1999	\$75 million	\$ 75 million (32 projects)	\$ 29.9 million	\$ 0
Prop 204 Category III	\$60 million	\$ 55.1 million (69 projects)	\$ 37.7 million	\$ 12.6 million
EPA Watershed	\$2 million	\$ 2 million (4 projects)	\$ 2 million	\$ .4 million
CUWA	\$32 million	\$ 29 million (44 projects)	\$ 21.5 million	\$ 14 million
TOTAL	\$ 254 million	\$ 246 million (237 projects)	\$ 167.1 million (68%)	\$ 37.8 million (15%)

<sup>&</sup>lt;sup>1</sup> This column includes projects funded under specific programs.

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Fully executed 3/30/95, Signed talk order for year one work.	\$600-88 as onne?	<u> </u>	os	os	os	000'912\$	000,915\$	nileQ	D#G	Improvement Water Quality and	Sediment Weter Quality	de00-8e
Contract fully executed 4/1 6/99, DPC is developing th effectinical Advisory Panel.	Determine fouldry unterface and sedement reuze potential to develop a Detta Dredging Reuze Strategy. Will monitor sediment constituents as projects are developed.		os	os	os	\$54'000	000'92\$	ailed	Dec		VillauD retaW inemibeS	#600-96
sean of paragraph (see see see see see see see see see se	inver and shough sites in the Delta for subsequent leb testing for contaminants and toxicity									Temperature Insmeverum		44
Contract fully executed 2/5/39.	Evaluate toxicity and water quality in the Dolta. Collect semples quarterly from various		OS .	05	los .	000,002	000'009\$	edecapue	CAEMOCB	Water Quality and	Vigal Toxicity	803-86
	iver and slough sites in the Delts for subsequent lab (esting for contaminants and toxicity (fathead minnow larval growth and survival, certodaphnia reproduction)									Temperature Improvement		
Contract fully executed 2/5/99.	Evaluate toxicity and water quakty in the Delta. Collect samples quarterly from various		os .	os	os	000,0012	000,0012	Pardscape	CVRWQCB	finemevorqmi bris villauD refeVV	Pathead Minnow Toxicity	702-86
Contract fully executed 3/8/99, Have completed several texicity tests. First texicity reports due Sept 1999.	Develop water quality criteria for ckrypyrikos and diazknon. Conduct toxicity lest on					E91'19\$	000'040	Lendscape	0.17	Temperature	Diazinon (Dezignated Action)	905-86
de la contraction de la contra	no teal idiction technical and confectibles additional and aleates difficient refere and seal.	· · · · · · · · · · · · · · · · · · ·	f3	<u> </u>	, s	897.295	000,07\$	*********	DF6	Moder Oregins and	Water Quality Criteria for Chlorpyrifos and	90,780
broperly appraisals.		-								eerlausM & anisiqboolii		
Fully executed 1/5/99, Working with Wildlife Conservation Board to complete work on	Protect spawning niffes, and protect and enhance riparian species.	318	os .	os	los	002,2718	008,5118	TeviS enmulouT	DEG	ni notanoteasi Istidali	Bazzo Bridge Iand acquisition	99-092
	for spawning habitat projects.						İ			zariarski & zniziobooiii	noissicissi	
Combined with 99-C05 Basso Bridge land acquisition.	Protect and enhance riparian, welland and aquatic habitats, and provide supply of gravel	45	005'51%	os	o <b>s</b>	000'899\$	000'859\$	Merced Rivet	D±G	ni noilerotze A talida H	Merced River Ranch acquisition and	98-004
,	location, composition, and density). Survey of use by fish and wildlife,				<b>!</b>		1					
and feathing study. Will begin final design in September 1999.	sko physical characteristics (elevelon, contours, etc.) and hydreulics. Water quelly, monitoring (calarly, temperature, and DOJ. Monitor vegetation development (extent,		1	}		1	1		SE BCDC COUSEIASUCA SUG	serlawiń ż znielobooi:i		
Fully Executed 10/26/39, Completed the ERPEIS, Hamilton Conceptual Restoration Plan,	Rezione subsided dixed area to upland seasonal and tidal wedand habitals. Mornipring of		000,455,12	os	626'85 <b>15</b>	21,000,015	e10,000,12	Моспубару	Calif. Coastal	ni nolisvoze Pi falida H	Hamilton wellands restoration planning	£00-96
reading progressing. Final report of 1st year due Sept 1999.	and water constituents,											
Fully executed 941039. Physical improvements to site completed, testing, & delta water supply with larval fish. Broodilish collection & tollist culture complete, Larval & juverille	Davalop culture metrods to supply all file stage of delts amalf for research studies. Collect data on larvae size, weight, and food intake for different water types, tank size,		os	os	661,511\$	078,401\$	078,4e1 <b>2</b>	aslieG.	UC Davis, Animal & Science	Fish Management Hatchery	Culture of Delia Smelt	Z00-96
	· ···· · · · · · · · · · · · · · · · ·											
Fully executed 5/20/39. Completed subcontracts for the preject. Work will begin in September 1999.	Evaluate techniques to reverse the subsidence of Delta island habitat. Monitor biomess accedions and deposition of sediment over time, and costs.		os	os .	los.	000'683'6\$	000,682,62	10000	DWK	ni notavoteo A telideH sertereM & enistqboolA	Twitchell Island Subsidence Study	102-88
Albernative Practices Metrix 54% complete	Monitor water quality before and after outreach program to determine officiency of program,					T		ndnamen .		Temperature	reduction practices	
Fully executed 8/26/98, completed Tesk Order for year 1 work 11/18/98. Development of	to venderthe enimeteb of maneeric describe talks has a relact trikun return referebl		TS8,8472	os	192°92\$	187,7862	192,7202	rangacaba	UC Davis	bne tilsuQ tataW	Evaluation of alternative pessicide use	210-76
	bres lonearousinor, carcass eurogys - pre and post project. Montilor channel and operatorische programme and post project and post project and post project and operatorische downstream habitate. Montilor chinnel and geomorphic characterische (pobble support downstream habitate. Montilor chinnel and geomorphic characterische (pobble counts but with a project.									eadsaM & eniekiboolfl		
extension. Genebic analysis started Aug 1999. Fully executed 115/99, Permit application complete & alyouts receive approval scon.	issue semples from populations over 3 year period.  Improve the quality and quantity of spanning habitet, use, and durability. Redds survey:		001,SS2	OS .	260'7\$	S76,05S2	576,035	Malazilem Tevis enmulauT	DFG	Hatchery Habital Restoration in	nomias minesol. Graves at Basse Bridge	110-76
Contract fully executed by 2/1/89. Project has been delayed & they have requested a time	Characterize the genetic makeup of SJ Fall run chinook salmon. Collect and analyze		200,000	o\$	os .	E00,78E2	E00,785\$	niupsot res	DFG	InamegenaM flaif	Developing a genetic baseline for San	600-26
	perticipation, use of claits base and citings in hold adjustments. Reduce water quality concrision the bit Dichta systems that kim on all the subject over them. Monitor New Melecular water persistents for neet confidence and variances over time. Monitor New Melecular water consistent of cut control and concesse in releases following a forecast.							mətanisM		Tempersture	таладант расугат	
Fully executed 3/30/99, Completing sub-contracts for the project.	surveys, Increase water user awareness of real time date and its beneficial use. Survey	<del></del>	0\$	os	os	788,1882	000,286\$	riupsol nes	Program	Water Quality and	Vilsup ratew emit-leat revis mirps of nes	800-46
Fully executed 8/24/36. Project delayed until 2/39 due to staffing problems. Work on newsietter 8, outreach has begun.	increase maritime industry members awareness of ballast release issues and alternass practices to reduce new introduction into the Delias. Participation and effectiveness		588'09\$	os	96Z,81 <b>8</b>	\$222,630	068,555\$	Vorth Bay	Instal as CUU noisneixa	Introduced and Undestrable Species	Preventing exotic introductions from ballast water	Z00-Z6
	evaluate using histopathology, genetic and ologith analyses. Evaluate exposure of young smelt to chemical commonly found in Della.									i cimporatura		
Fully executed 11/20/98.	Evaluate the potential impact of conteminants on Dolta smolt. Obtain samples and		os .	os	211'95	356,7648	355,76 <b>12</b>	- misa	UC Davis	Water Quality and	Contaminant effects on smelt	900-26
Fully secured SCARSS, Completed purchase of mercury analyzes have verified analyzes! methods-field sampling is have started analyzing final semples ongoing to calabogue of wellends to deformine key gradients, Have completed itst year summary report.			os	os	z09'99 <b>\$</b>	1/1/915\$	\_ \	Delta	nc Dave	Water Quality and Temperature	metenth levels Ellects of wedsards testatation on medify	503-16
finalized. They will resultant as a potential directed program.							,					
DFG cannot contract for fish screen construction over \$500,000. Suisun marsh acreens with the withdrawn until a new project proporting has been selected and project plans	low velocices,		000,1014	-		<u>_</u>	000'404'70	Hemin I money	,,,,-	eRecor a time men tree	mana më 1100 ëpisaria a	G400-10
complete & other work is proceeding.	and bypass flow velocities.		000,131\$	i.	, , , , , , , , , , , , , , , , , , ,	,	008,187,52	ributaries desembles		#Besse Passege	Selected fish acreens	97-C04B
With of severa risk and little on GPR AVE and amonthe farms of trentings between you'd	Reduce entreinment of outmigrating and resident fish. Measure screen approach, sweep,		us	nz.	SS6'82\$	028,4752	032,3112	Secremento	9#0	egassas neono siafil	Selected fish screens	A100-76
Fully executed 8/4/38. DWR complehed aubcontract with Chico State for the pregram.	Facilitate broadbaacel local stakeholder group in development el waterahed plan. Paricipetion and extent of implementation activities. Protect and enhance ripatien Institut. Measure ripatien density and species composition, pre and post profect.		os	os	os	000'002\$	000.005\$	edinamatak Materiak Materiak	яма	berkratsW InsmagansM	Waterbod management planning for Castements River Riparian Program	£00-16
Fully executed 9122/98, Construction complete. Finished eturi-up teeling.	Reduce entrainment of outnigrating and resident fish, Measure screen approach, sweep, and bypass flow velocities.		000,818,52	000'145\$	120,634,12	000,037,12	000,027,12	oknamatoga medaniaM	\$001GF	Fish Scroon Passage	Princeton Fish screen construction B73	200-76
contracto mos. Through 12/35/199. High water lovels have delayed completion of	low velocites.			T		1		melanisM				
	Reduce entrainment of outmigraing fish. Measure screen approach, sweep, and bypass	(spun-1 bore)	द्वरम्) त्याकाष्ट्वरम् इस्टिट्		770,882,52 770,882,52	\$2,500,000	000'005'2\$	Secremente	801 GR	Flah Screen Passage	nolibertanco menos 801 GR	100-16
eulst?	gaholinoM	zotoA	Officer Funding		ebrus GSTJAO espended babrisqx3	CALFED Funds	CALTED Approved ganding	Sen Area	Applicant	Project Category	nollqinəzəG bəşlor9	CALFED No.
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			MAREORY ATJ	EAL FED BAY DE								

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CALFED No.	Project Description	Project Category	Applicant	Geo Area	CALFED Approved Funding	CALFED Funds Obligated	CALFED Funds Expended	CVPIA Funding	Other Funding	Acres	Monitoring	Status
98-C09c	Sediment Water Quality	Water Quality and Temperature	RWQC	Delta	\$200,000	\$200,000	- \$0	s	so		Same as 98-C09 <i>a</i>	Fully executed 6/3/99. Signed task order for year one work.
		Improvement	ļ		<u> </u>			<u> </u>		<u></u>		
98-C10	CMARP DA	Habitat Restoration in Floodplains & Marshes		Lendscape	\$800,000	\$800,000	. \$0	\$	\$0		Develop a Comprehensive Monitoring and Research Program for CALFED.	Fully executed 5/4/99. Initial report complete. Refining report and expanding their role.
98-C11	Chinook Salmon Movement in the Lower SJR and South Delta	Fish Management Hatchery	DFG .	San Joaquin River and Delta	\$285,000	\$285,000	\$0	ş	\$0		Evaluate fish migration and delays through lower San Josquin River and south Delta as potentially impacted by South Delta Temporary Barriers, Head of Old River Barrier and/o low DO levels, Track movement of ultrasonic tegged adults.	
98-C12	Genetic Comparison of Steelhead Stocks in Clear Crock	Fish Management Hatchery	USFWS	Clear Creek	\$45,493	\$0	\$0	ş	\$0		Evaluate alternative steelhead stocks for future restocking of Clear Croek. Collect tissue samples for genetic evaluation.	Contract sent to contractor for signature 5/4/99.
98-C13	Spawning Areas of Green Sturgeon in the Upper Sacramente River		USFWS	Secramento River	\$60,801	\$0	\$0	\$	· \$0		Characterization of Green Sturgeon habitat and life history patterns in the upper Sacramento River, Survey of spawning areas.	Contract sent to contractor for signature 3/19/99.
98-C14	Monitoring Spring and Winter-run Chinook Salmon and Stoelhead in Battle Creek	Fish Management Hatchery	USFWS	Battle Creek	\$150,000	\$0	\$0	ş	\$0		Evaluate life history characteristics for spring and winter run chinook and steelhood in Battle Creek. Fish counts, snorkel surveys, juvenile monitoring using screw traps.	Contract sent to contractor for signature 5/20/99.
98-C15	Blological Assessment of Green Sturgeon in the Sacramento-San Joaquin Watershed		UC Davis	Sacramento-San Joaquin Watershed	\$241,000	\$241,000	\$584	, s	\$0	,	Genetic data for species.  Identify the biological characteristics of green sturgeon. Behavioral and tolerance limits temperature ranges for various size fish. Biological examination of reproduction system and function. Genetic data for GS and white sturgeon. Examine Embryo semples to	Contract fully executed 3/30/99, Work on all tasks has begun.
98-C16	Developing a Methodology to Accurately Simulate Entrainment of Fish	Fish Screen Passage	DFG	Delta	\$200,000	· \$0	so	\$4	\$0		measure developmental process over time and varying river conditions.  Evaluate affectiveness of barge sampling in estimating existence of fish attrear diversion locations. Perform fish-friendly pump sampling and diversion not sampling at various	Contractor has completed review & was received at DFG contract office 5/25/99. In the budget office,
											times.	
99-001	Cosumnes River Feasibility Study	Habitat Restoration in Floodplains & Marshes		Cosumnes River	\$400,000	So.	\$0	\$4	\$0		Feasibility Study of Ecosystem Restoration opportunities on the Cosumnes River.	Contract to contractor for signature \$120,59. Walking for completion of final study plan to finalize their role in implementing the plan.
99-C02	Mokelumne River Feasibility Study	Habitat Restoration in Floodplains & Marshes		Mokelumne River	\$400,000	\$400,000	Şt	\$4	. \$0		Feasibility Study of Ecosystem Restoration opportunities on the Mokelumne River.	Contract fully executed 4/20/99. They are completing a final study plan for the project.
			-	Total; \$	\$21,075,615	\$17,360,931	\$4,525,971	\$4,344,000	\$5,628,312			
				32		82%						81%
	L		<u> </u>	Contracts	l,	Obligated	Expended Contract Agency: N		Wildlife Equadation	(Pron 204 fund	101	Executed
97-N01	Assessment and implementation of urban	Water Quality and	Sacramento Area	Sacramento	\$663,500	\$663,500	\$64,414		\$193,000	11-10h 204 1011	Characterize baseline temporal and spatial trends of OP Pesticide runoff in the	Contract signed 8/29/98, received QAQC, need to review 2 draft subcontracts.
	use reduction of diazion and chlorpyrifes (Sacramenta County)	Temperature	Stormwater Permittees	Mainstem					-		Secremento region. Concentration during various conditions and at various locations pri project. Evaluate effect of OP Pesticide control program on the water quality conditions. Concentration during various conditions and at various locations post project. Evaluate the level/conditions are significant contributors to toxicity. Cerodaphnia toxicity testas.	
97-N02	Sacramento River floodytein acquisition and riparian restoration	Habitat Restoration in Floodplains & Marathes		Secremento Mainstern	\$9,879,800	\$9,879,800	\$6,066,214	, şc	\$o	1,500	Increase extent of chanced meander and flood zones. Mapping of equation and terrestrial habitatis. Increase entirely install regrowth and reduce words distribution adjacent to the river. Measure tree density and species composition and height, pre and past project. Measure social week cover, pre and post project. Measure social week cover, pre and post project. Measure floor litter quality and quantition and Carbon/Nitiogen raties, pre and post project. Conduct point counts and areas searches for songitiff populations and habitat characteristics as indicated or decological health. Conductwater piscentes a samples for evaluating water quality adjacent to restoration erea, pre and post project and edjacent sites.	
97-N03A	Secremento River acquisition and ripartan			Sacramento	\$780,000	\$780,000	\$1,435	\$4	\$0	3002	Same as 97-NO2	Contract signed 12/8/96.
	forest restoration	Floodplains & Marshes	Nature Conservancy	Mainstern								
97-N03B	Sacramento River floodplain acquisition and riperian restoration	Habitat Restoration in Floodplains & Marshes	WC8	Sacramento Mainstern	\$512,500	\$512,500	- Sc	\$4	\$0	See 97N03A	Same as 97-N02	Contract executed,
	Sacramento River meander restoration	Hebitat Restoration in		Sacramento Mainstern	\$898,700	\$898,700	\$816,800	\$4	\$0	95	Same as 97-N02	Contract signed 10/28/98, Property purchased. Completing subcontracts for site preparation and planting.
97-N04		Floodplains & Marshes	Conservancy	Manstern	1			1				- Parising
97-N04 97-N05	Rostoration planning (M and N Fook American River, Aubum Ravine, Coon Creek)	Habital Restoration in Floodplains & Marches	Placer County	American River	\$222,530	\$222,530	St.	\$4	\$222,530		Evaluate restoration needs toward the protection and improvement in water quality, equatic habitat and its accessibility, and riperian communities.	Contract executed 3/29/99.
	American River, Aubum Ravine, Coon	Habital Restoration in	Placer County  CSU, Chico		\$222.530 \$187,128	7	\$0	\$4	\$222,530 \$135,000		Evaluate restoration needs toward the protection and improvement in water quality, equatic habitat and its accessfully, and riperian communities.  Protect riperian habitat. Monitor revegetation. Similar to 97-N02.	
97-N05	American River, Aubum Ravine, Coon Creek) Bulte Creek acquisition and riparien	Habitat Restoration in Floodplains & Marshes Habitat Restoration in	Placer County  CSU, Chico  Graham	American River	·	\$187,128	\$0 \$0 \$20,081	\$1		90 <sup>2</sup>	aquatic habitat and its accessibility, and riperian communities.	Contract executed 3/28/99,
97-N05 97-N06	American River, Aublum Ravine, Coon Croek) Butte Creek ecquisition and riparlan restoration Cottonwood Creek channel restoration	Habitat Restoration in Floodplains & Marshes Habitat Restoration in Floodplains & Marshes Habitat Restoration in	Placer County  CSU, Chico  Graham Matthews & Associates  Mill Crook	American River  Butto Creek	\$187,128	\$187,128	\$0,091	\$1	\$135,000	90 <sup>2</sup>	squasic habitat and its accessibility, and riperian commenities.  Frotect riperian habitat. Monitor revegetation. Similar to 97-N02.  Describe geomorphic conditions and changes in region toward development of channel and riperian restaration plan. Survey of geomorphic and riperian characteristics, current	Contract executed 3/29/90.  Contract signed 12/21/98.  Contractor signed 7/1/98. Work is ongoing.

<sup>Acquisition of land where all or part are maintained in existing agricultural use - farmed or grazed.
Acquisition of existing habitat, or restoration of public lands or existing degraded habitat - No land use change.</sup> 

CALFED No.	Project Description	Project Category	Applicant	Geo Area	CALFED Approved Funding	CALFED Funds - Obligated	CALFED Funds Expended	CVPIA Funding	Other Funding	Acres	Menitoring	Status E
97-N10	Jepson Prairie restoration and conservation	Habitat Restoration in Floodplains & Marshes	Solano County Farmlands, Open	Delta	\$244,801	\$244,801	\$4	S S	\$0	600 <sup>2</sup>	Restore habitat. Monitor vegetation/tree survivorship, abundance, size and distribution, pre and post project and comparison to control.	Contract signed 1/29/99.
	-		Space Foundation									•
97-N11	In-Channel Island resteration/demonstration	Habitst Restoration in Floodplains & Marshes		Deita	\$270,270	\$270,270	\$199,594	sc sc	\$91,000		Demonstrate affective biotechnical methods to reduce erosion of in-channol (silands and adjacent detail stand banks., Visual observation of wave and current energy, pre and post project for different application practices for different hydrodynamic contions. Field mapping and addiment deposition/secretion pre and post project and compare with combo. Survey of shar and widdle use and treeding, including invastive non-making species. Demonstrate that installations can be installed while minimizing Impact to anisting ecological values. Pre and post project surveys of father and terrestrial biota. Survey for vegetation colonization and succession.	Contract signed 7/15/99,
97-N12	Franks Tract restoration	Hebitat Restoration in Floodplains & Marahes		Oelta	\$231,500	\$231,500	\$51,997		\$370,000	40	Restoration of deeply flooded habitat to tidal perennial aqualic, shaded riverine aquatic, and mid channel island shoel and shoel habitats. TBD - Physicallysomorphological characteristics of islands.	Contract signed 1272(198.
97-N13	Tyter faland fevee protection and habitat restoration pilot project	Habitat Restoration in Floodplains & Marshes		Delta	\$685,202	\$885,202	\$273,065	\$0	\$0	8	Evaluate internative vegetative and biotechnical techniques for restoring and stabilizing leves and bank excision and réparten and enhous water habitat. Measure bast wake energy dissulpation for different installation practices, compare with control sediment deposition occurring with different installation practices, compare with control and different bostons. Survey macroinvertebrate and finitery population for the different installation practices, compare with control and different locations. Survey survival and growth of vegetation between different installation practices, compare with control and different locations.	Contract eigned 7722/98.
97-N14	Cosumnes start-up stewardship and restoration	Habitat Restoration in Floodplains & Marches		Cosumnes River	\$1,975,100	\$1,975,100	s	\$	\$0		Conduct baseline monitoring of riperian vegetation, wildlife, avien and fish resources	Contract signed 6/22/99
97-N16	Bay Point shoreline Restoration Plan	Habitat Restoration in Floodplains & Marshes		East Bay	\$185,000	\$185,000	\$0	\$1	\$53,900	522	Rostore tidal eatt marsh habitat end function. Monitor tidal flow and range over time, Monitor water quality and sedimentation processes over time. Monitor changes in plent species diversity, density and cover. Survey use by fish and wildlife over time.	Contract signed 8/12/98.
97-N18	Cultinan Ranch restoration)	Habital Restoration in Floodplains & Marshes		North Bay	\$368,500	\$368,500	Sc	\$0	\$662,000	1,495²	See 97-N16	Contract executed 3/30/99,
97-N19	Tolay Creek restoration	Habitat Restoration in Floodplains & Marshes		North Bay	\$283,000	·	\$232,090		\$422,000	3122	See 97-N/6	Contract and first task order approved by CALFED and signed 10/16/98. Channel modifications complete and fevee breached Dec. 1998.
97-N20	Implementing programs to reduce the use of posteides and fertilizers in Sacramento and San Joaquin watersheds	Water Quality and Temperature	Community Alliance with Family Farmers	Landscape	\$1,680,631	\$1,680,631	\$594,079	\$0	\$0		Increase awareness of users to detrimental impacts and mitigation approaches. User survey on past and post-project application. Evolution definent application techniques and their impact on trunoff water quality, develop protocols and models. Water quality and their impact on trunoff water quality, develop protocols and models. Water quality and flow measurements in surface avaider adjacently sities, increases farmer exercences of impacts of posticide use and alternatives to reduce water quality problems in the Contral Valley, and San Josephin besis.	Contract signed 7720/98.
97-N21	Knights Ferry gravel replenishment	Habitat Restoration in Floodplains & Marshes		Stanjstaus River	\$536,410	\$536,410	\$191,176	\$0	\$90,000		Improve spewning habitet quality and quantity, and evaluate conditions for excessful and durable restoration. May peed focations and changes over time and under different gravel supply conditions, at various sites. Measure transact and vertical hybraulic gradent during spewning period and after incubsion at various sites. Improve incubsion habitet and conditions by adding growt with no finos. Intergravel water temperatures, flows, DO levels, substrate size, line codiment intrusion at various sites.	Contract signed 9/90/98.
98-N01	RD 2035 Fish Screen	Fish Screen Passage	RO 2035	Sacramenio River	\$100,000	\$100,000	\$X	\$0	\$0	***************************************	Reduce entrainment of outralgrating fish. Measure screen approach, sweep, and bypass flow velocities.	Contract executed 3/31/99.
98-N02	Expanding Celifornia Salmon Habitat to After Dams and Diversions	Habitat Restoration in Floodplains & Marshes		Landscape	\$49,000	\$49,000	\$20,146	\$	\$0		Research project to inventory and develop a mechanism to purchase dams and diversions from wating selects to improve fish passage	Contract signed 3/12/99.
98-N03	Life History and Stock Composition of Steelhead Trout	Fish Management Halchery	Yuba Co, Water Agency	<u> </u>	\$120,000		S	s s	\$0		Characterization of stockhoad habitat and life history patterns in the Yuba River. Trap fish through year, and then measure and collect scale and tissue samples for evaluation. Genetic data for steckhoad.	
98-1404	Small Fish Screen Evaluation	Fish Screen Passage	Water Company	Sacramento River	\$95,000		\$	\$	\$0		at screened and unscreened diversions at various hydrautic and operating conditions.	Contract sent to contractor for signature on 3/26/99. Project delayed due to domage to fish screen.
99-N01	ACID Fish Screen	Fish Screen Passage	Cattormood Irrigation District	Sacramento River	\$5,100,000		*	50	30		Reduce entrainment of outsing sing fish. Measure across approach, eveep, and bypess flow velocities. Evaluate the impact of challow water restoration actions on water quality. Collect and conduct physical/chemical analysis of water and soil samples.	Contract sent to contractor 7/23/99,
99-N02	Fish Treadmid Developed Fish screen Critoria for Native Secremento-Son Joaquin Watreshed Fishes	Fish Screen Passage		Landscape	\$823,000	\$0	so					
99-1103	East Delta Habitat Corridor (Georglana Slough)	Habitat Restoration in Floodplains & Marshes	Assessment & Restoration Team, Inc	Landscape	\$1,100,000	\$0	\$4	\$0				
99-N04	Leke Red Bluff Riparian Area Restoration & Education Support Project	Hebitet Restoration in Floodplains & Marshes		Sacramento Mainstern	\$29,114	\$0	\$0	\$				

<sup>Acquisition of land where all or part are maintained in exitting agricultural use - farmed or grazed.
Acquisition of existing habitat, or restoration of public lands or existing degraded habitat - No land use change.</sup> 

Project Description tion of Endangered Soft Bird's stored Habitat  responserphic Ecceyetem Support Adaptive Menagement taltity of Environmental tals in Secramonio Spittari - A approach to it of Pasticide Effects on Fish & Resources in the Sisten Jonqu'n Della tiroduced Species of n & clarms on the Bay-Delta Ecological & Economic Impact see Matter carb see Matter carb.	Floodplains & Marsh  Hobitat Restoration   Floodplains & Marsh  Water Quality and   Temperature   Improvement   Fish & Water Quality and   Temperature   Improvement   Introduced &   Undestrable Species	UC Davis UC Davis UC Davis UC Davis	Geo Area  Sulsun Marsh  Consumnes- Mokelumne Basin  Nurse Slough  Landscepo	CALFED Approved Funding \$148,627 - \$1,546,016 \$673,684	s so	CALFED Funds Expended \$0	CVPIA Funding SO SO	g Other Funding	Acres	Monitoring	Status 1 1
stored Habitat  inogeomerphic Ecosystem Support Adeplive Management stating of Enricommental statin in Secremento Spittleri - A Approach stor Passidole Effects on Fish & Resources in the SiSan Joaquin Debta triorduced Species of n & clarate on the Bay-Debta Ecological & Economic Impact see Mitten crob	Floodplains & Marsh  Hebitat Restoration I Floodplains & Marsh  Water Quality and II-A III-A Water Quality and Improvement Improvement Introduced & Understable Species Introduced & Introd	UC Davis UC Davis UC Barkelay SF State	Consumnes- Mokelumne Basin Nurse Slough	\$1,546,016 \$873,684	s so	\$1	0 \$X	2			
Support Adaptive Management skirtly of Environmental sta in Secramento Splitteil - A Approach to If Pasticide Effects on Fish 8 Resources in the suSan Joaquin Deba stronduced Species of n & claims on the Bay-Deba Ecological & Economic Impact ses Mitten crab	Water Quality and Temperature Improvement Fish & Water Quality and Temperature Improvement Fish & Water Quality and Temperature Improvement Introduced & Undesirable Species Intendiced & Undesirable Species Impacts Introduced &	UC Devis UC Berkelay SF State	Mokelumne Basin Nurse Slough	\$673,684		\$	o sc	0			
Its in Socramonto Splittnii - A Approach It of Pesticide Effocts on Fish & Resources in the SiSan Jeaquin Della Introduced Species of It & clarms on the Bay-Delta Ecological & Economic Impacts ass Mitten crab	il - A Temperature Improvement Fish & Water Quality and Temperature Improvement Introduced & Undestrable Species Introduced & Introduce	UC Berkeley			\$0	<u> </u>		.1 /		•	
at of Pesticide Effects on Fish & Resources in the oriSan Joaquin Delta Introduced Species of a & claims on the Bay-Delta Ecological & Economic Impact assa Mitten crob	Temperature Improvement Introduced & Undestrable Species Impacts Introduced &	SF State	Larxiscapo				\$0	a l			·
n & clams on the Bay-Delta Ecological & Economic Impact as Mitten crab	undestrable Species	SF State University	1	\$1,568,894	\$0	So	\$0	,			
ese Mitten creb	npacts Introduced & Undesirable Species	ł	Landscape	\$653,384	. \$0	\$0	\$0				
castrifa Prevention Detaction 9	1	UC Berkeley	Bay Area	\$113,033	\$0	. \$0	50			·	
ions for the Sacramento-San ver Delta System		DFA	Landscape	\$127,473	\$0	\$0	\$0	1			
ley Steelhead Genetic	Improved Fish Menagement & Hatchery Operations	DFG	Landscape	\$70,636	\$0	So	\$ 50				
nt of a Comprehensive ation Plan for a Statistically farking & Recovery Plan		DFG	Landscape	\$75,951	\$0	\$0	\$0				
		<b>-</b>	Total: \$	\$32,428,384	\$25,403,572	\$8,568,847	7 \$30,000	0 \$2,379,100			
			37		78%						88%
			Contracts		Obligated	Expended					Executed
w Restoration	Environmental Wate	Tremie	Sacramento	50		Agency: California Urba	o \$500,000		er District (Sta		Completed,
n and Ladder Construction	Acquisition		Tributaries Butte Creek	\$316,500	`	\$316,500				For Butte Creek system, 100,000 juvenile spring-run have been marked. Also evaluation	
ish Ladder on Parrott-Phelan	reian Fish Management	M&T	Butte Creek	\$0	\$0	\$ \$0	0 \$100,000	0 \$318,000		of fish behavior at ladder entrance was completed.  For Butte Creek system, 100,000 juvenile spring-run have been marked.	Completed.
	Hatchery	Ranch/Parrett									
toration Project	Habitat Restoration i Floodplains & Marsh		Sacramento River	\$0	of .\$0	\$0	0 \$39,400	0 \$13,160		Small gravel project. Restore and improve floodplain functions. Rastore riperian and welland vegetation. Monitor vegetation, fish and wildlife populations.	Completed.
on Relocation Construction	Fish Screen Passag	M&T Ranch/Parrott Investments Co.	Sacramento Tributaries	\$1,610,000	\$1,610,000	\$1,610,000	0 \$2,254,000	0 \$830,000		A separate AFRP monitoring plan. NMFS monitored velocity on screen face, improve and restore spawning habital and durability. Conduct redd counts and other use surveys.	Completed.
ng programs to reduce the use is and fertilizers in Sacramento aquin watersheds (BIOS)	mento Temperaturo	Community Alliance with Family Farmers	Landscape	\$660,000	\$660,000	\$659,770	0 50	0 \$0		Monitoring of progress of willingness of farmers to reduce pesticide use is being documented.	Year 2 of 3 year project.
n Construction	Fish Screen Passag	Suisun Resource Conservation District	Sulsun Marsh	\$450,000	\$450,000	\$450,000	0 \$450,000	o so		Sulsun Resource Conservation District has long-term monitoring program. Reduce entrainment. Measure screen approach, sweep and bypass flow velocities.	Completed.
Chinook Salmon oodstock Program	Fish Screen Passag	1	Landscape	\$300,000				1 0200,000		Research protocols are peer-reviewed.	Completed.
Siphon & Associated	Fish Screen Passag	Western Canal Water District	Sacramento Tributaries	\$3,095,873			7 \$3,095,673			screen approach, sweep and bypass flow valocities.	Completed.
nts,	Habitat Resteration i Fleodplains & Marsh		Delta	\$2,500,000	\$2,500,000	\$0	0 \$0	0 \$6,650,000		Dosign, implement and monitor restoration of shallow water habitat/wetlands on Prospect Island.	Expect contract execution in near future.
			Sacramento River	\$500,000	\$500,000	\$237,725	\$ \$0	0 \$500,000		Demonstration project will monitor riparian habitat	Completed.
nts. Hand - Shallow Water			Sacramento River	\$75,000						Reduce entrainment measure screen approach, sweep and bypass flow velocities.	Completed,
iland - Shallow Water dands Restoration Plan abitat Restoration Verone- (Phase 1-Feas.)  Tumpling Plant Fish Screen eas.)		10.1		\$75,000	\$75,000	\$75,000	\$75,000	80		Monitoring does not apply to a feasibility study.	Completed.
nts.  land - Shellow Water  land's Restoration Plan  abilite Restoration Verona- (Phase 1-Feas.)  Pumping Plant Fish Screen		Glenn / Provident				1			!		·
nts, lland - Shakow Wal Bands Restoration		Floodplains & Marshe Screen Fish Screen Passage	Floodplains & Marshes  Screen Fish Screen Passage RD 1004	Floodplains & Marshes  Screen Fish Screen Passage RD 1004 Sacramento River  eeting Fish Screen Passage Princeton-Codore Sacramento River	Floodplains & Marshes  Screen Fish Screen Passage RD 1004 Secramento River \$75,000  eeting Fish Screen Passage Glenn / Provident Secramento River \$75,000	Floodplains & Marshes	Floodplains & Marshes	Floodplains & Marshes		Floodplains & Marshes	Floodplains & Marshes  Screen Passage RD 1004 Secramento River \$75,000 \$75,000 \$150,000 \$100,000 Reduce entrainment measure screen approach, eweep and bypass flow velocities.  eeting Fish Screen Passage Phrocton-Codotal Secramento River \$75,000 \$75,000 \$75,000 \$75,000 \$0 Monitoring does not apply to a feesibility study.

<sup>Acquisition of land where all or part are maintained in existing agricultural use - farmed or grazed.
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CALFED No.	Project Description	Project Category	Applicant	Geo Area	CALFED Approved Funding	CALFED Funds Obligated	CALFED Funds Expended	CVPIA Funding	Other Funding	Acres	Monitoring	Status 1. 7
96-M07	Fish Screen Construction	Fish Screen Passage	Princeton-Codors Glann / Provident	Sacramento River	\$5,500,000	\$5,500,000	\$3,503,773	\$5,281,200	\$0		Screen will have velocity mentioring. Owner will conduct tyke netting for fish counts.	Completion expected in December 2000.
			Irrigation Districts									
96-M08	Fish Screen Construction (Phase 2 - Install Additional Screens)	Fish Screen Passage	Suisun Resource Conservation District	Sulsun Mareh	\$500,000	\$500,000	sc	\$500,000	\$0		Suisun Resource Conservation District has long-term monitoring program. Reduce entrainment. Measure screen approach, sweep and bypass flow velocities.	Sitering Committee recommended rescinding funds,
96-M09	Sherman Island - Leveo Habitat Demonstration Project	Habitat Restoration in Floodplains & Marshes		Delta	\$480,000	\$480,000	\$76,266	s	\$480,000		Riparian habitat will be monitored for growth and endurance.	Bids exceed budget. Steering Committee denied request for additional funding. Proponent evaluating next step.
96-M10	Research to Predict Evolution of Restored Diked Wettends	Habitat Restoration in Floodplains & Marshes		Delta	\$575,172	\$575,172	\$241,086	. se	\$0		Project develops conceptual model based on field Investigations.	Sieering Committee approved additional \$100,172 for additional fisheries and bird field work.
96-M11	Applied Research to Identify Chinook Salmon Runs via Genetics	Fish Management Hatchery	OWR	Landscape	\$450,000	\$450,000	*	×	\$600,000		Research protocols are peer-reviewed.	Project is underway.
96-M12	Battle Creek - Chinook Salmon & Steelhead Restoration Study	Fish Management Hatchery	Bill Kelr Associates	Battle Creek	\$306,000	\$306,000	\$306,000	\$ ×	\$0		Monitoring is part of a recently approved Baltle Creek project, See 98-B16,	Completed.
96-M13	Yolo Bypass - Habitat Restoration Study	Habitat Restoration in Floodplains & Marshes	DWR	Yolo Bypass	\$226,000	\$226,000	\$226,000	S.	\$30,000	-	Restore and improve Scooplain functions. Restore riperian and wefand vogetation. Mornitor vegetation, fish and wildlife populations.	Project assigned to NFWF. Project completed.
96-M14	Clear Creek - Property Acquisition	Habitat Restoration in Floodplains & Marshes		Cloze Crock	\$211,000	\$211,000	\$211,000	\$211,000	\$c	120	Restore and improve floodplain functions. Restore riperian and wetland vegetation.  Monitor vegetation, fish and wildlife populations.	Project assigned to NFWF. Project completed.
96-M15	Intro, of Non-Indigenous Aquatic Species Research Program	Introduced & Undestrable Species	San Francisco Estuary Institute	Landscape	\$197,000	\$197,000	\$184,650	\$1	\$0		Reports are pear-reviewed.	90% complete.
96-M16	Sacramento River and Major Trib Corridor Mapping Project	Habitat Restoration in Floodplains & Marshes	CSU, Chice	Sacramento River	\$145,200	\$145,200	\$61,342	\$	\$0		Products meet mapping standards.	80% complete.
96-M17	Yubs River Fish Screen Replacement	Fish Screen Passage	Browns Valley Inigation District	Yuba River	\$114,750	\$114,750	\$80,857	\$114,750	\$116,500		Reduce entrainment. Measure screen approach, sweep and bypass flow velocities.	95% complete.
96-M18	Determine Effects of Toxics	Water Quality & Temperature Improvements	Physics Fox & Associates	Landscape	\$110,000	\$110,000	\$15,000	\$C	· \$0		Project terminated.	Agreement could not be reached on project scope.
96-M19	Wilkins Slough - Fish Screen Prelim, Design	Fish Screen Passage	RD 108	Sacramento River	\$100,000	\$100,000	\$100,000	\$100,000	\$16,300		Monitoring does not apply to a feasibility study.	Completed.
96-M20	Fish Screen Project	Fish Screen Passage	Banta-Carbona Irrigation District	San Joaquin River	\$100,000	\$100,000	\$0	\$1,916,750	\$0		Reduce entrainment of ownigrating and resident fish. Measure screen approach, sweep and bypass flow velocities.	Funding rescinded by mutual consent due to timing.
96-M21	Adams Dam Fish Screen & Ladder	Fish Screen Passage			\$70,304	\$70,304			\$50,000		Oreft monitoring plan for physical and biological monitoring has been completed by owner, Reduce entrainment. Measure screen approach, sweep and bypass flow velocities.	Completed.
96-M22	Gorrill Dam Fish Screen & Ladder	Fish Screen Passage	Gorrill Ranch	Butte Creek	\$67,990	\$67,990	\$61,191		\$56,500		Draft monitoring plan for physical and biological monitoring has been completed by owner. Reduce entrainment. Measure screen approach, sweep and bypass flow velocities.	Completed.
96-M23	Innovative Fish Screen for Small	Fish Screen Passage		Landscape	\$90,000	\$90,000	\$51,773	\$C	\$0		Research protocols are peer-reviewed.	Project will be complete at 60% of work due to ESA concerns.
96-M24	Diversions Demonstration Project Butte Creek - Watershed	Watershed	Associates CSU, Chico	Bulla Creek	\$63,000	\$83,000	\$57,722	×	\$83,000		Existing conditions report and recommendation for future action including monitoring.	90% complete.
95-M25	Management Strategy Plan  Battle Creek - Chinook Salmon & Establish Watershed Conservancy	Management Watershed Management	Western Shasta RCD	Battle Creek	\$50,000	\$50,000	\$40,104	\$50,000	\$0		Monitoring is part of a recently approved Baltic Creck project. See 95-B16.	E0% complete.
96-M26	Prospect Island - Develop Monitoring Plan	Habitat Restoration in Floodplains & Marshes	DWR	Delta	\$35,000	\$35,000	\$35,000	\$1	\$0		Monitoring plan is complete.	Completed.
96-M27	North Delta Area - Juvenile Salmon Rearing	Habitat Restoration in Floodplains & Marshes		Delta	\$24,500	\$24,500	\$19,048	\$4	\$0		Inventory of rearing habitat for fisheries, including fisheries surveys.	Field work complete.
97-1/101	Wilson Ranch screen	<b>.</b>	Deseret Farms of Casif.	Sacramento Mainstern	\$200,000	\$0	\$0	×	\$0		Reduce entrainment of outnigrating fish. Measure screen approach, sweep, and bypass flow velocities.	Draft contract sent to Deseret Farms of California.
	Battle Creek screens and fish passage	Fish Screen Passage		Battle Creek	\$395,000			SC SC	\$0		Sec 98-B16	DWR has completed first phase of work; remaining work in progress.
97-M03	Gorrit Dam screen and ladder	Fish Screen Passago	Company	Butte Creek	\$369,641	\$369,641	\$332,677				Reduce entrainment of outnigrating 8sh. Measure screen approach, sweep, and bypass flow velocities. Increase upstream passage of returning adults.	
	Adams Daw screen and passage	Fish Screen Passage	inc.		\$217,000		\$216,892	\$508,192	\$171,000		Increase upstream passage of roluming adults. Monitoring of fish behavior at the entrance of and movement through the tedder. Reduce entrainment of outmigrating fish. Measure coreen approach, sweep, and bypass flow velo	Project is complete.
97-M05	Saelizer Dam Fish Passage	Fish Screen Passage	Townsend Flat Water Ditch Company	Clear Greek	\$138,200	\$0	\$0	*	\$0		Increase upstream passage of returning adults. Monitoring of fish behavior at the entrance of and movement through the ladder. Reduce entrainment of outmigrating fish. Measure screen approach, sweep, and bypass flow velocities.	USBR undertaking environmental and permitting tasks; so CLNVA's funding for this project was reduced by about \$100,000, Project on hold unal negotiations between Townsend Flat Water Dilch Co. and USBR regarding water rights are concluded.

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CALFED No.	Project Description	Project Category	Applicant	Geo Area	CALFED Approved Funding	CALFED Funds Obligated	CALFED Funds Expended	CVPIA Funding	Other Funding	Acres	Monitoring	Status Q (
97-406	Hastings Tract screen feasibility saxty	Fish Screen Passage	Hastings Island Land Company	Delta	\$27,000	50	\$4	\$4	\$0	•	Reduce entrainment of outmigroving fish. Measure screen approach, sweep, and bypass flow velocities. Increase upstream passage of returning adults.	Oraft contract being prepared.
97-M07	Banta-Carbona fish screen	Fish Screen Passage	Banta-Carbona Inigation District	San Joaquín Mainstem	\$938,875	\$o	ş	\$4	\$0	***************************************	Reduce entrainment of outnigrating lish. Measure screen approach, sweep, and bypass flow velocities. Increase upstream passage of returning adults.	Received proponents indication of desire to proceed, Contract under preparation.
97-M08	Tuokimne River channel restoration (Pool 9)	Fish Screen Passage	Turlock Irrigation District	Tuolumne River	\$2,353,100	\$0	<b>\$</b>	\$	\$0		Increase survival of outmigrating smolts. Monitor temperature and water quality, pre and post project. Conduct mati/inccapiure experiments, Protect and restore spawning habitats and their duzability. Monitor flows and geomorphic and channel characteristics por and post project. Survey spawning activity, pre and post project.	Negovisting a change of scope for review by CALFED.
	Tuolumne River selback levees and channel restoration	Habitat Restoration in Floodplains & Marshes	Terlock Intigation District		\$2,801,000		ş	\$3,382,000	\$50,000		Increase survival of outsinguing anotia. Mentiles temperature and vector quality, pies and post project. Conduct meritificentities experiments. Protect and restore approximal habitats and their durability. Mentiles flows and geomorphic and channel characteristics pre and post project. Survey spawning activity, pre and post project.	Negotisting a change of scope for raview by CALFED.
				Total: \$	\$27,958,105	\$21,499,930	\$14,084,74		\$23,225,622			
			<del> </del>	Contracts		77% Obligated	50% Expended		l			77% Executed
							Contract Age	ncy: U.S. Bureau	of Reclamation (Fed	eral funds)		
97-801	Watershed Improvements/sediment stabilization (Deer, Mill, Antelope Creeks)	Watershed Management	USFS	Deer, Mill, Antelope Creeks	\$371,000	\$371,000	\$121,36	\$	\$69,000		Existing long-term condition monitoring program in-place	Contract executed 3/16/95.
97-B02	Sedimentation movement and availability and monitoring in the Delta	Habitat Restoration in Floodpleins & Marshes		Dolta	\$1,046,200	\$1,046,200	\$242,800	\$0	\$0		Describe the movement and excitability of sediment in the Delta, as needed for habitat restoration. Monitor sediment transport (suspended load and bedicad) at several locations.	Contract executed 3/16/38 for \$587,000. Contract executed 5/21/88 for \$460,000.
97-B03	Liberty Island acquisition	Habitat Restoration in Floodplains & Marshos		Delta	\$8,577,000	\$8,577,000	\$240,000	\$25,000	\$0	4,7601	Protect and restore tidely influenced wettends, riporian corridors, and unland habitats.  Measure distribution of habitats and species populations.	Contract executed 3/11/98, NEPA documentation underway. Acquisition expected by 10/31/99,
97-804	Acquisition and restoration of Refuge lands (SJR NWR)	Habitat Restoration in Floodplains & Marshes	USFWS	San Joaquin Mainstern	\$10,647,000	\$10,647,000	\$1,717,274	Sc	\$9,353,000	6169 <sup>1</sup>	Protect and restore lands, tiparien corridors, and other welland habitats. Measure distribution of habitats and opecies populations.	Contract executed 3/11/33, One parcel acquired, appraisals underway on other parcels, Closure expected in Sept.
97-805	Bear Crock floodplain restoration demonstration project (SLNWR)	Habitat Restoration In Floodplains & Marshes		San Joaquin River	\$334,000	\$334,000	\$331,400	\$	\$80,000	1326 <sup>2</sup>	Protect and enhance tiperian, floodplain and wellend habitate. Measure distribution of habitate and species populations.	Contract executed 3/14/38.
97-B06	Assessment of organic matter in the habitat and its relationship to the food chain	Habitat Restoration in Floodplains & Marshes	USGS	Landscape	\$1,440,649	\$1,550,649	\$413,847	S.	\$0		Evaluate habitat influences on the production and utilization of organic matter as food source in the Delta, and improve modeling capabilities. Obtain or measure food quality and quantity from various locations and habitat types	Contract executed 3/16/98 for \$517,000. Contract executed 7/22/98 for \$833,000.
98-B01	Richter Brothers screen	Fish Screen Passage		Mainstem	\$49,000		\$1	\$	\$0 \$0		Roduce entrainment of outnigrating fish. Measure screen approach, sweep, and bypass flow velocities,	
98-802	Boeger Family Farm screen - Feasibility Study	Fish Screen Passage	Farms	Sacramento Mainstern	\$15,000		\$13,81	l	l		Reduce entrannent of outnigrating fish. Measure screen approach, sweep, and bypass flow velocities.	
98-803	ACID fish passage	Fish Screen Passage	Anderson- Cottonwood Irrigation District	Sacramento Meinstern	\$325,000	\$325,000	\$325,000	\$	\$50,000		Reduce entrainment of outristrating fish. Measure screen approach, sweep, and bypass flow velocities.	Executed 6/508.
98-805	Sand and Salt Creek watershed project	Water Quality and Temperature	Colusa County Resource Conservation District	Colusa Basin	\$598,633	\$598,633	\$39,744	\$0	\$1,508,000		Evaluate different application practices and verptation conditions on impact to level of surface nuntified (OP) posticides and sedimente. Water quality and flow measurements in runoff adjacent to attes. Evaluate if stable grade conditions will reduce erosion. Site erosion monitoring, pre and post project.	Executed 6/24/86.
98-B07	Evaluation of selenium sources, levels, and consequences in the Delta.	Water Quality and Temperature	USGS	Delta .	\$1,588,709	\$1,588,709	\$268,164	SC	\$1,190,655		Evaluate sources of selentum at verious times and locations. Collect and snalyze water column samples. Evaluate impact of selentum on critical preyindicator species at various times and locations, and relate to impacts on species of connect. Collect and analyze selected proyindicator species. Measure levels and kinetics in species of concern under controlled uptake conditions.	Interagency contract executed 8/12/98.
98-B08	Cache Slough habitat enhancement	Habitat Restoration in Floodplains & Marshes		Delta	\$85,000	\$85,000	\$	20	\$0	92	Restoration of fevee using environmentally friendly approaches. Sediment deposition/accretion and topographic surveys, pre and post project. Survey of vagetation survivorably, diversity and growth at various increments of time.	Executed 6/2/99.
98-809	IPM Partnership to Improve Water Quality In Suisum Bay and Local Creeks	Water Quality and Temperature	Central Centra Costa Sanitary District	Dolta	\$286,000	\$266,000	\$16,00	\$0	\$191,000		increase awareness of users to destinental impects and mitigations approaches. User auray on participation, value, and product sales pre and post implementation. Reduce the numflewest as result of implementation. Concentration of OP pestides is influent of waste water, and may have urban creek water quality measurements, and compare pre and post project.	Executed 9/20198.
98-B10	Inventory of forest road systems, Gat Creek Watershed	Watershed Management	USFS	Cosumnes River	\$38,000		\$0	sc	. \$0		Develop watershed restoration plan to reduce erosion. Monitor aquatic hebitat and channel characteristics, water chemistry and species population/use.	Executed 8/6/95.
	Woodbridge fish screen and passage	Fish Screen Passage	Irrigation District	Mokelumne River	\$1,575,000		\$124,58		\$0		Increase upstream passage of returning adults. Reduce entrainment of outnigrating fish, Measure acroen approach, sweep, and bypass flow velocities.	·
	Napa River Wotlands acquisition	Habitat Restoration in Floodplains & Marshes	Land Trust	Northbay	\$1,000,000		\$910,000		\$0	956	Protect and restore native march welfand habital. Monitor vegetation, fish and wildlife populations.	Executed 9/24/58.
98-B14	Bacterial treatment of Selenium in the Panoche Drainage	Water Quality and Temperature	UC Serkeley	San Joaquin Mainstern	\$1,148,326	\$1,148,326	\$165,293	\$0	\$0	-	Demonstrato the effectiveness of microalgae as a substrain for nitrato and selectium reduction in agricultural discharge water. Treatment effectiveness and operational issues. Costs of process, to estimate costs for full scale operation.	Executed 9/9/59.

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<sup>2</sup> Acquisition of existing habitat, or restoration of public lands or existing degraded habitat - No land use change.

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	99-B01	98-840		98-83	98-838	98-837	98-B36	98-B35	98-834	96-BG3	98-832	98-B31	98-B30	98-829	96-828	96-82/	98-826	98-B25	98-824	98-823	98-822	98-B21	98-817		98-816	98-B15	CALFED No.
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•	Battle Crock Salmon and Steelfleed Restoration Project (DA1)	umne River Natural Resourcée ram (H1019)		Water Challenge 2010 (Hi018)	Water Hyacinth Education Program	The Virtual Science Center and Hands-on Learning Programs (H1016)	Bay-Delta Environmental Restoration Education Program (H1015)	The Butte Creek Wetershed Educational Workshops and Field Tours Series (H1010)	Discover the Flyway (H1008)	Sacramento River, Hoodwaters to the Ocean, Public Information and Education (H1006)	Environmental Agriculture Conferences and Field Tours (H1005)	Traveling Film Festival/Heron BoothV/Ideo Archive (H1002)	Sen Joaquin Valley Selmonids in the Classroom Program Enhancement (H1001)	American Basin Fish Screen and Habitat Improvement Project (B1017)	City of Secremento Fish Screen Replacement Project Phase 2 - Design (81016)	sings Tract Hata Screen Phase II; struction (B1015)	Booger Family Farm Fish screen Phase II: Construction (B1014)	Cosumnes River Salmoid Barrier Program Fishery(B1009)	ACID Fish Passage and Fish Screen Improvement Project, Phase II, Final Design (81007)	Stoelhoad and Chinook Sakmon Fish Passage Barrier Remoditation on the Guadukspe River (B005)	Fish Passage improvement Project at the Find Buff Diversion Dom (B1004)	xdromous Fish Passage at Clough Dam Will Creek (B1000)	Cosummes floodylain acquisition and restoration (H397)		Battle Creok screens and fish passage (A194)	Evaluation of tagging data	Project Description
	Fish Screen Passage			Education	Education	Education	Education	Education	Education	Education	Education	Education	Education	Fish Screen Passage	Passage	Fish Screen Passage	Fish Screen Passage	Fish Screen Passage	Fish Streen Passage	Fish Screen Passage	ish Screen Passage	Fish Screen Passage	Habitat Restoration in Floodplains & Marshes		Fish Screen Passage	Fish Menegement Hatchery	. Project Category
	PG&E	City of Modesto	Bey Model Visitor Conter, USACE	Smitsion District Smitsion District	Big Break Sagramento	The Delta Science Center at	Water Education Foundation	CSU, Chico	Yolo Basin Foundation	Sacramento River Discovery Center	Committee for Sustainable Agriculture	Independent Documentary Group	DFG .	Natomas Mutual Water Company	City of Sacramento	Hastings Island Land Company	Boeger Family Farms	Foundation of Casifornia	Anderson- Cottonwood Irrigation District	Natural Heritogo Instituto et. al.	Tehama-Cokusa Canal Authority	DWR	The Nature Conservancy		USBR	Northwest Morios Technology inc	Applicant
	Battle Creek	Tuolumna River		Lendscape	Delta ·	Delta	Landscape	Butto Croek	Delta	Speramento River	Landscape	Landscape	San Joaquin River	Socramento River	Sacramente	Delta	Sacramento Mainstern	Cosumnes River	Sacramento Mainstom	Landscape	Secremento Mainstern	Mill Groek	Costamnes River		Battle Creek	e Landscape	Geo Area
	\$28,000,000	\$55,255			009'65	\$42,000	\$40,000	\$33,000	\$49,000	\$49,640	\$28,000	\$54,000	33,000	\$200,000	\$654,500	\$271,250	\$139,500	\$188,25	\$800,000	\$178,200	\$340,60	\$1,280,00	\$3,500,00		\$395,00	\$625,00	CALFED Approved Funding
	\$196,304	\$55,255		82.53	8	8	\$40,000	300,662	\$49,000	\$49,640	\$28,000	\$54,000	50	4	8	**	*	\$188,25	000,000	\$	\$340,500	0 \$1,280,D0C	0 \$3,500,00		\$395,000	5625,00	CALFED Funds Obligated
	\$196,30	40			8	\$3,590		\$		\$21,90	\$14,000	\$43,90		-				(h	\$117,833	0			0,000,00		\$10,68	\$35,68	CALFEO Funds Expended
	*	8		8	8	\$6	8		8	\$410,000	& &	× ×	8	\$200,000	8		- 85	. 8	8		8	\$6	8		8	28	CVPIA Funding
	ş	\$0		\$1500	8	8	. 8		*	\$1,062,500	8	8	\$7	*	\$745,000	\$271,750	\$139,500	\$188,25	8		×	*	60				Other Funding
														,								0	0 2,2561				Acres
	increase upstratin passage of winter-run salmon and spring-run salmon	Increase public awareness of issues and needs of river system environment.	Delle		lacrease public awarcness of issues related to rolease of hyechth.	increase public awareness of emitronmental issues in the Bay-Delta.	Increase public awareness of environmental issues in the Bay-Della.	increase public awareness of issues and needs of aquatic and terrestrial natural resources.	increase student awareness of wedands and widdio issues in the Yolo Besin.	Incomes public awareness of Issues and needs of functional lives system.	increase famer awaroness of issues and needs of functional river system.	Increase public awareness of issues and needs of functional river system.	Indexes attident awareness of issues and needs of equalic and terestrial natural resources.	Reduce extrainment of orthigrasing fish. Measure screen approach, avecp, and bypass of flow velocities.	Reduce entainment of outnipoling fish. Measure actions approach, arresp, and bypass Agreement being propased. Son velocities.	Reduce entrainment of outnigrating fish. Measure screen approach, sweep, and bypass of flow velocities.	Reduce entrainment of outnigrating fish. Measure screen apploach, sweep, and bypass. Agreement being prepared, flow velocities.	Increase upstream passage of returning edules. Pre and Post project monitoring of special and temporal spowning distribution and spowning habitat.	Protoct and rectore didaly influenced wetlands, riparien confiders, and upland habitats	incress upsteam passage of returning addits. Measure physical configuration and velocibles. Observation of upsteam regretion.		Reduce entrainment of overnigrating fielt. Moasure screen approach, evreep, and bypass flow velocities.	Restive and improve foodplain functions. Restore riperian and welland vegelation, Mortlar vegelation, fast and widdle populations.	Monitor and estimate populations via enoticel, catacast counts, seed and sevid energy, Measure relative abundance, distribution and onlying from Iming of Jouesdes via acroevings, Measure and coloration faith fully yith other passage using organosomatic below. Measurement of forward videolity at various stage heights to determine performance and reflacibility to design anticratural. Preclaimed passage of therhory first divide belor results to the habitary. Direct observations at wine feet superiorm, traching of redio togged fish, Increase review habital quality and quantity (few), Roduce estationent of catingraining fish. Measure careen approach, sneep, and bypass flow velocities.	iteresee upstream possage of returning adults over borriers to make habitat exallable for spewring and rearing. Video observation and redicing tradicing at the CNFH field ladder.	Evaluate lessibility and benefits for mass marking techniques. Data review on togging and recovery.	Monitoring
	Contract being prepared.	Executed			Executed.	Project cancelled.	Executed 3/8/99.	Executed 3/15/99.	Executed 3/22/89.	Executed 225/89.	Executed 205599.	Executed 2/23/59,	Executed.	Agrociment being prepared.	Agreement being prepared.	Agreement being prepared.	Agreement being prepared.	Executed 3/1/1/59.	Agreement sont 3/1/99.	Agreement sent 3/16/89.	Executed 3/8/99.	Agreement being prepared.	Executed 7/859.		cuted 8/10/68.	Executed 71/198.	Status + j:

CALFED No.	Project Description	Project Calegory	Applicant	Geo Area	CALFED Approved Funding	CALFED Funds Obligated	CALFED Funds Expended	CVPIA Funding	Other Funding	Acres	Monitoring	Status 9
99-802	Lower Butte-Creek Project Phase II (DA2)	Fish Screen Passage	Ducks Unlimited,	Butte Creek	\$775,000	\$0	\$	o s	\$0		Increase upstream passage of returning adult s. Reduce entrainment of outmigrating fish.	Contract being prepared.
99-803	ACID Fish Passage and Fish Screen Improvement Project, Phase III (DA3)	Fish Screen Passage	Anderson- Cottonwood Inigation District	Sacramento Mainstern	\$5,253,000	\$0	S	\$	\$0		Increase upstream passage of returning adults. Reduce entrainment of outnity ating fish. Measure screen approach, sweep, and bypass flow valocities. Evaluate the impact of shallow water restration actions on water quality. Collect and conduct physical/chemica analysis of water and eoil camples.	Centract being prepared.
99-B04	Merced River Salmon Habitet Enhancement; Lower Stone (DA5)	Habitat Restoration in Floodplains & Marshes	DWR	Merced River	\$130,000	\$0	S	o \$4	\$6		Reduce entrainment of outmigrating fish. Measure temperature and fish distribution and abundance.	Contract being prepared.
99-B05	Morced River Salmon Habitat Enhancement; Ratzlaff Reach (DA6)	Habitat Restoration in Floodplains & Marshes		Merced River	\$1,633,000	50		\$1	\$0		Samo as 99-804	Centract being prepared.
	Health Impacts of Mercury in the Bay-Delta Watershed	Temperatura	CSU, San Jose		\$3,000,000	\$0	\$	3 \$1	\$710,000		Determine bioxivalishie sources of mercury in the Bay-Deta Watershed. Obtain data on mercury fevels in fish and complete pilot mine remediation feasibility studies.	Contract being prepared.
	Fish Passage Improvement Project at the Red Bluff Diversion Dam		Tehama-Colusa Canal Authority	Sacramento Mainstern	\$1,030,000	\$0	\$4	\$				
99-808	@Coleman Nat'l Fish Hatchery at Battle Creek	Fish Screen Passage		Battle Creek	\$1,713,302	\$0	, 5	\$				
99-809	Development of Implementation Plan for Lower Yulia River Adadromous Fish Habitat Restoration	Habitat Restoration in Floodplains & Marshes	Surface Water Resources, Inc.	Yuba River	\$176,130	\$0	\$	9 \$1				
	Species & Community Profiles of the SF Bay Area Wetlands Ecosystem Goals Project	Habitat Restoration in Floodplains & Marshes	Estuary		\$45,320	\$0	\$	. \$				
99-B11	South Napa River Tidal Slough & Floodplain Restoration Project	Habitat Restoration in Floodplains & Marshes	City of American Carryon	Napa	\$1,565,600	\$0	\$	\$				
99-B12	Riparian Corridor Acquisition & Restoration Assessment	Habitat Restoration in Floodplains & Marshes	USBLM	Sacramento Mainstern	\$2,240,250	\$0	S	50		19201	.,	
99-813	Understanding Tidal Marsh Restoration Processes & Patterns	Habitat Restoration in Floodplains & Marshes		SF Bay Area	\$1,073,513	\$0	. \$4	\$0				
99-814	Biological Ag Systems in Cotton-BASIC- Reducing Synthetic Pesticides & Fertilizers in the N. SJ Viy		Sustainable Cotion Project	San Joaquin Mainstern	\$473,800	\$0	\$4	o \$6				
99-815	Douglas/Long Canyon Paired - Watershed Project	Watershed Management	Placer Co Water Agency	American River .	\$86,108	\$0	\$4	\$1				,
99-816	Determination of the Causes of Dissolved Oxygen Depletion in the SJ River	Temperature Improvements	DWR	San Joaquin Mainstern	\$892,400	\$0	\$	\$				
	Delta Wetlands, Part 1	Water Quality and Temperature Improvements Introduced &	USGS DWR	Landscape Landscape	\$1,434,449 \$152,233	\$0		8				
99-818	Milten crab on Benthic Comm. In the Delta Health Monitoring of Hatchery & Natural	Undestrable Species Control Improved Fish	USWFS	San Joaquin	\$132,233	\$0	8		]			
	Fall-rum Chinook in SJ River	Management & Hatchery Operations		Mainstern							·	
99-820	Sacramente River Discovery Center	Education	Secremento River Discovery Center	Sacramento Mainstern	\$39,552	\$0	3	•				
99-821	Estuary Action Challenge Environmental Education Project	Education -	Earth Island Institute	Landscape	\$51,500	\$0		sx				
	Water Challenge 2010 Exhibit	Education	USCOE	Landscape	\$52,015	\$0	\$	0 \$0				
99-823	The Learning Watershed Project		Watershed Institute	American River	\$56,907	\$0	S	50				
99-824	Traveling Film Festival Exhibit  River Studies Center Exhibits & Programs	Education	Independent Documentary Group CI Place Partners	Landscape See (esquir	\$51,500 \$70,467	\$0	\$	\$				
			57 River Parkway eg Conservation Trust			***	•				•	
99-826	1999/2000 Bay-Delia Education Program		Water Education Foundation		\$33,269	\$0	Ş	\$1	]			
99-827	Watershed Educational Training	Editorion	Colusa County Resource Conservation District	Sacramenta Tributaries	\$13,390	so so	, s	o		<u>.                                    </u>		

Acquisition of land where all or part are maintained in existing agricultural use - farmed or grazed.
 Acquisition of existing habitat, or restoration of public lands or existing degraded habitat - No tand use change.

CALFED No.	Project Description	Project Category	Applicant	Geo Area	CALFED Approved Funding	CALFED Funds Obligated	CALFED Funds Expended	CVPIA Funding	Other Funding	Acres	Menitoring	Status y 🤧
99-828	Prospect Island Monitoring Project	Habitat Restoration in Floodplains & Marshes		Delta	\$915,000	\$0	\$	o s	\$0		Restore 1,300 acros of shallow water habitat. Monitor fish, wildlife, water quality, vegetation, sediments, nutrients and bentrick communities.	Contract being prepared
99-829	San Joaquin River Pilot Project	Environmental Water Acquisition	Frient Water Users Authority		\$2,500,000	\$0	S	5	\$0			Contract being prepared.
99-830 .	Water Acquisition	Environmental Water Acquisition	Oakdale & S. Sar Jeaquin I.D.		\$3,000,000	\$0	\$	o s			·	Contract being prepared.
				Total: \$	\$95,461,518				\$15,693,660			771
<del> </del>				70 Contracts		Obsgaled	Expende					67% Executed
		·					Contract Agency:	US Environment	I Protection Agency	(Federal fund	5)	
97-E01	Watershod Plan (Big Chico Creek) (F219)	Management	Big Chico Creek Watershed Alliance		\$295,313		\$118,12				Reduce impacts of past and origining land use practices to enhance equatic habitats Conduct riparten and geomorphic surveys, pre and pact project.	\$127,517 will be obligated in April, EPA watershed funds.
97-E02	Watershed Planning (Over Creek) (F237)	Management	Deer Creek Watershed Conservancy, CSU Chico	Door Creek	\$196,554	\$196,554	\$78,62		\$231,000		Reduce land use practices detrimented to equalic environments. Monitor water quality.	Executed.
98-E01	Napa River Watershed (M92)	Watershod Management	Napa County Resource Conservation District	Northbay	\$252,000	\$252,000	\$213,31	7 - SI	\$0		Protect and enhance the riperian and riverine habitats. Monitor habitat characteristics, geomorphology and bank stability, flowirunoll, species assessments, and water quality. Facilitate broadbased local statischolder group in development of watershed plan. Develop river model to assess alternative scenarios. Collect flow and channel/geomorphology data.	Executed 5/29/98,
98-E02	Sonoma Creek Watershed (M113)	Wetershod Management	Southern Sonoma County Resource Conservation District	Northbay .	\$382,900	\$302,000	\$115,82	3 54	\$0		Protect and enhance the ripation and riverine habitats. Monitor riverine conditions: gravel, temperature. Ripation mentioning and non native control. Implement environmentally-responsible vinoyard management processe. Moritor water quality and habitat characteristics. Increase public swareness of issues and needs of aquatic and terrestrial natural resources. Increase upstream passage of returning adults.	Executed \$/29/98,
98-603	Regional Wellands Geals Project (M130)	Habitet Restoration in Floodplains & Marshes		Northbay	\$76,000	\$76,000		o \$4	\$200,600		Evaluate restoration and rehabilitation needs of region,	Completed.
98-504	Petaluma River Watershed Restoration Program (G1014)	Watershed Management	Southern Sonoma County Resource Conservation District	Northbay	\$220,000	\$220,000	ş	\$	so.		Evaluate and implement restoration and rehabilitation needs of the region.	Executed \$1359
98-E05	Cottonwood Creek Watershed Group Formation (G1015)	Watershed Management	Cottonwood Croek Watershed Group	Cottonwood Creek	\$161,000	\$161,000	\$20,413	. \$0	\$0		Facilitate broadbased local stakeholder group in development of watershed plan.  Evaluate restoration needs of region.	Executed on 5/11/59
98-E06	Battle Creek Watershed Stewardship (G1018)	Watershed Management	Battle Creek Watershed Conservancy	Battle Creek	\$145,000	\$145,000	Si	\$	\$0		Facilitate broachased local stakeholder group in development of watershed plan. Improve watershed practices to reduce detrimental impacts on equatic habitate.	EPA executed a cooperative agreement with NRWF in February to manage these 14 watershed projects. A NRWF sub-agreement is expected.
98-E07	Local Watershed Stewardship: Steelhead Trout Plan (G1022)	Watershed Management	Friends of Corte Madera Creek Watershed	Northbay	\$47,500	\$47,500	\$4,25	s \$1	\$0		Develop steethead restoration plan. Collect fish habitat and population information and thermograph data.	Executed on 4/2/59,
98-608	Cold Water Fisheries and Water Quality Element (G1023)	Watershed Monagement	City of San Jose- Environmental Services Department	Other	\$200,000	\$200,000	\$1	\$	\$0	16	Evaluate restoration needs of region.	EPA executed a cooperative agreement with NFWF in February to manage these 14 watershed projects. A NFWF subagreement is expected.
98-609	Merced River Corridor Restoration Plan (G1026)	Watershed Management	Stiftwater Sciences & Merced Co, Planning & Comm. Develop. Dept.	Merced River	\$300,000	\$300,000	\$1	\$	\$0		Facilitate broadcased local stakeholder group in development of watershed plon.  Evaluate restoration needs of region.	Executed \$72599
98-E10	South Yuba River Coordinated Watershed Management Plan (G1029)	Watershed Management	DPR	Yuba River	. \$264,000	\$264,000	St	\$1	. \$0		Facilitate broadbased local stakeholder group in development of watershed plan. Evaluate restoration needs of region.	Executed 5/13/99
98-E11	Watershed Restoration Strategy for the Yolo Bypass (G1933)	Watershed Management	Yolo Basin Foundation, Inc.	Delta	\$244,186	\$244,168	\$23,490	S S	\$0		Facilitate broadbased local stakeholder group in development of watershod plan.  Evaluate restoration needs of region.	Executed.
98-612	Proposal to Develop Lecal Watershed Stewardship Plan for the Lower Mokelumne River (G1038)	Management .	San Joaquin County Resource Conservation District	Mokelumne River	\$159,000	\$159,000	\$53,344	4 Sc			Facilitate breadbased local ableholder group in development of watershed plan. Evaluate restoration needs of region.	Executed 4/3/99
98-E13	Union School Slough Watershed Improvement Program (G1040)	Watershed Management	National Audubon Society - California	Yolo Basin	\$636,000	\$636,000	\$31,376	B \$4	\$0		Develop and implement riparian restoration project on forms. Water quality and habitat surveys	Executed 5/25/99
98-E14	American River Integrated Watershed Stewardship Strategy (G1047)	Walershed Management	Placer County Resource Conservation District	American River	\$220,750	\$220,750		\$(	- \$0		Evaluate restoration needs of region.	Executed

<sup>&</sup>lt;sup>1</sup> Acquisition of land where all or part are maintained in existing agricultural use - farmed or grazed.
<sup>2</sup> Acquisition of existing habitat, or restoration of public lands or existing degraded habitat - No land use change.

E-032324

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Execution. Coordinating with Flood Control District regarding EIR for acquisition. Met with locate and alterded public bearing regarding acquisitions.	Teccionizzation of notive plants, plant surveys and survival rates. Monitor lidal and over the plants are surveys and survival rates and surveys and sedimentation.		000'99\$	os	os	000,1512	000,1548	увацион	Napa County Land Trust	ni nobiasola Restoration Fiocophains & Marahaca Fiocophains	South Mayer River Wetends Aequisition and Restonation Program (C1017)	\$1±86
Executiod. Updatiod appraisal report shows property value of \$2544.400. Finalicing restoration of cestion.		181	588'525\$	os	os	561,526\$	SE1,23E <b>2</b>	" ysdithoW	nodubuA nheM yteicoS	ni nobanases Restoration in Endodologias & Marshes	Pelakura Marsh Expansion Project - Marin County (C1016)	
Funda varaterrod to USFWS, Socramento Roaky Offico, Implementation begun. Offer made on one property 20099.	cellular heriqu bra reckinor aniwqi, sbrallev kesara king kesi kesi kesi kesi kesi kesi kesi kesi	<b>,85</b> 9	œ	os	os	000'006'1\$	000'006'1\$	olio O	SWESU	ni notanotaest taitdati zertenski å aniatqbooff	anodisiupoA braJ AWK zakaJ enolo (0:010)	28-F12
Ехюстиеа	Monitor physicial processes, abundance of fish, revegetation end predation. Topo eurweys, fish sampling, Metivirocephine, photo curvey, population consus.		000'061\$	691'EE\$'Z\$	os	eet,eca,se	697,55p, <b>s\$</b>	Nerced Pivot		ri nobarakasa IstidaH sertaraM & anialqbooFi		114.82
CDFG widhdraw proposal (pat Ron Remple), 6729/39.	field from the state of the second of vegelator; field as of floodplain; and field from the field of the second field field from the field fr		000'01\$	os	os	os	914,82 <b>2\$</b>	Feather Rivet		ni noisaoteost talidett esatetett å enisiqbooft	(80012) toolotii neisetenome0	
	Restore and improve floodplan (unclions and shallow waker and ripardan habitat. Survey of fathlat conditions.		os	o <b>\$</b>	05	\$52,000	000'52\$	Della		EsrizieM & zniakjbooiT		
Executed. CDFG withing RFP to hive consultant to do topographic surveys & address hydrologic issues.	Resince tidel accion of seasonal and penanenni watends. Survey tishery ward wildlife use and techniquent.  and habitats. Survey vegetation composition, growth, trends and recruitment.		0\$	0 <b>\$</b>	os	000'00Z\$	000'002\$	rianoM nusiuS	940	ni noberoteofi jaiideH eorteteM & entelaboofi		804-86
	bobrisgous combated with destred conditions.								straint bras COR semulout ent to	eariersM & erisiqbootF	Grayson River Roach Perpetua Easoment and Restoration (C1003)	
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Биосияф	anoilsiudod elithent bra sisti, neistategev volincht.		ot.	os	000'92i\$	000'9ZI\$	000'921\$	Butte Creek		Habitat Restoration in Floodplains & Massines	Burle Creek acquisition and riparien (8195) motionics	
Contract under preparation.		, , , , , , , , , , , , , , , , , , ,	os	os	08	007,SEZ	007,522	Butta Creek	Watershed	Varietated Insmegerank	Butte Creek Watershed Coordinator  Butte Creek Watershed Coordinator  Butte Creek Watershed  Butte Creek Watershed	
	inconnection and economic and changes over time, Protection and enhancement or typular control and floodplant includes and storessee. Obsert genomorphic data (channel incisions, graved depositis, interesse, sitc.) for channel and typulari characterization this surveys. Incided awareness of issues and needs of waterchair height.							•		Menagement		
Executed.			Service (Fed	A DIE HELL CO. L.C.	SSS, era sentino	2561,300	2561,300	Butte Creek	csu, chho	borlesaleW	Butte Crock Watershed (F222,224,225)	\$04-86
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APA executed a cooperative agreement with NFWF in February to manage these 14 watershed projects. A NFWF sub-agreement is expected.	Fechinale broadbased focal stakeholder group in development of watershed plan.  Evaluate restoration and rehabilitation needs of region.		os	cs.	OS .	009'001\$	009'001\$	Putah Creek	Solano County, Department of	bertareteW AmericegerieM	Lower Putah Greek Watershed Stewardhip Program (S2012)	98-E16
Exertic Solution S/19/99	Facilitate broadbased local atakeholder group in implementation of restoration activities.		os	os	scas	928,65 <b>\$</b>	829°CZ\$	Chour Creek	Sacramento Watersheds Action Group	Watershed		51 <del>3-</del> 96
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100 neither a sign option 4/39.	3ee 39:F03	16551	os .	os	20	05	25,250,000	Dolta	The Nature	ni nobstotzeR AstideH	Recomment-Williamson Tract Acquisition	\$0±66
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reponent expects to sign option 4/39.	Monitor riparian vegetation, wildide, avian and fish resources.	1	\$250,000	ne.	ne.	ne.	2860,000	Dolta		Resolution & Marshes	Restore habitat on McCompack-Williamson levees (OA12)	
			000 0303		<u> </u>	F	000 0003	14.0			3 11 11 11 11 11 11 11 11 11 11 11 11 11	1-20-0
1			1	1		1		i			[	1
-	changes, post restoration.		-	i					District	Picothias & Marshpool?		1
powered Bulge product	Monitor physical habital changes, survival of riparian vegatation and Esh population		0\$	000,670,62	0\$	os	000,588,62	16viSt enroutouT	Turtock Intgation	ni noiteroteen jatideH	Restore MJ Ruddy Reach (DA8)	203-66
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onkact being prepared.	Monitor physical fabilat changes, survival of ripatian vegetation and fish population (c changes, post restoration.	ļ	h.	ana'acan	os	h.	hannare.	Tevisioners		aentaraff & anistipooff	(TAO) riceast 0t lood must isleage and zes?	107-66
personal states	exolic species control.  Monitor chusical habital changes survival of the standard and fich condition		luz.	000'956\$	<u> </u>	US.	000,231\$	Todd entertouit	goitecist spoke(T	Undesirable Restoration in	(XAC), dread 01 tong mild lebone andread	103 00
rejects under this program will be selected through the current PSP.		İ	os	ne	BC8,CC2	000'052'15	000,02,12	гэндгээр	SW4SU		Exalic Species Control Program	98-1-98
			<u> </u>	<del>-</del>	-	-	000 000 14		0,00,1		3.1.0.1.0.2	1 302 50
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Josepach Foundation employees.				l		i	l			Ploodplains & Marsheod	Demonstration (C1045)	1
xecuted. Planning and designing for restoration, traits and signing underway using	Monitor revegetation success. Bioazzessment of benthic invertebrates, Water quality		os	os	C69\$	816,872	876,878	Butte Creek	сал, сию	ni nobsrotee A talidah	Rutte Creek Riparian Restoration	3 NS∓-86
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elnezion completet.		1		Į		1					( , , , , , )(-, , , , , , , , , , , , , , , , ,	.1
	Monitor return of tidal flows, recolonization of mains startus, survival of algustan vegetation of all talk utilization.	5618	000,8172		\$15,691	000'999'1\$	000,224,12	Approximate A	Camon	ni nočerotech istideli eortateM å anisiqbooFi	South Napa River Tidal Slough and Floodplain Restonation Project (C1044)	
			1	F	10000	000 327 73	0.0 237 73	1		1 -1 1 1 1 1 1	F	1 202.50
		{		<b>!</b>		1	1	1		1	Ecological Zone (C1042)	4
•	water quality, vegetation, fish and avian use and populations, and planktonic foods.	ĺ		1	į.					Ploodplains & Marshes	Suisun Marsh/North San Francisco Bay	3
greement signed by Cooperator 1M/99. Implementation begun.	Restore emergent and immersed marshland. Monthly monitoring for sedimentation,	z1z,	\$18,812	os	<b>\$55,374</b>	\$172,667	739, <u>S</u> 77 <b>2</b> ,	Sulsun Marsh	CSU, Hayward	ri notistotee Flatida H	ert ni gniralinoM bns nollanotzeA lacigoloiG	98-F22
	<u> </u>	ŀ	l	l		1	1					
				1	1		i	1	Wildlife Refuge			
unds transferred to USFWS, San Luis MWR Complox, Implementation begun. Appraisals made and negotiations underway to acquire		503	000,667,42	h	he	000,001,12	hooden'se	19viR niupsot ne2	lanotal ekul	ni notiasutes Fi telidal I Pionia in Marathes Fi	Lower Sen Josephin River Floodersin Frobediese and Restotetism Project (C1038)	12
	-Nitht 1-tided and and a statisfied abstractly has maintain against beg saging	£102	DUV DOT A2	<del></del>	P	DOC (UL) 13	000'001'1\$	savid clussed, on?	wes awdsil	at animates att talisteld	et-tolood and sines and meg mag 1	1 1ST-86
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	composition and height, pre and post project.	· ·	1	1	I	I	1		Сопѕелленсу	Floodplains & Marshes	Enhancement (C1033)	أذ
secuted. Acquisition regodiations inflated.	increase native hiparian growth adjacent to the river. Measure tree density and species	2,500	os	os	os	000'000'1\$	000,000,12	Deer, Mill Creeks		ni nobesotessi letideli	Door and Mill Crocks Acquisions and	
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, in a contract, in a	cps:sc(sijapca sug abecjes rise)	2009	h	L	h-	Landac ve	000'00 40	Man Learning		rantensky & sniskpooti	Planning and Demonstration (C1032)	
postores	Maridest solinoM, smotorut bos talidest bradew bre niaklood eroteet bra eviupoA	2000	r.	<sup>03</sup>	<u> </u>	\$150,000	000,0272	Cosumnos River		ni notranteas IstidaH	Cosumnes River Acquisition, Restoration	e1∓.88
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	Survey geomorphologic processes and floodplain habitet response.		1	1	i	I	i	mateniaM	Conservancy,	Floodplains & Marshes	Monitoring on the Sacramento River	v!
респред	Develop projectivide monitoring to assess channel meander and habitat restoration.	009	os:	os	os	000,000,12	000,000,12	olnems tag 2	etutsM erfT	ni notissolsesi isildish	Floodplain Acquisition, Management, and	98-F18
		Ì	1		ŀ	į.		( I		1		1
·	Survey target wetend vegetation and removal of exotic plants. Survey for fish and widdle use.		]		1	}		1		Poolphing & Brisiqbool	(C1026)	ا
executed. Contracts being executed with consultants.		Bs	los	os:	os	000,65\$	000,622	Swisun Markt	City of Benick	ni notisates Restoration in notisates A series of series of the series o		
			1			1	1					1
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1 '		ı	1	1	ı	1	<b>!</b>	1 1	(רמיך בשנשs'	Ploodplains & Marches		2
	'osn		1									
Executed. Phoperty Approval, acquisition and Confermant auryays being completed.	Project will protect riparien and tidel shallow walet habital. Survey for fish and wildlife use.	1687	os	0\$	os .	2452,000	000'5Z <b>&gt;\$</b>	niled	Потава Сискоу	ni netranaseA telideH		1 817-82
			0\$	0\$	nanuadea				Тампяв Сискоу	ni netranzasi tatidali	Fern-Headread Tidal Perensial Aqualic	
Status Status Status Status	BaltrolinoM  Baltr	serpA 5831	gnibnu3 1949O 03	CVPIA Funding	nanuadea	CALFED Funds Obligated \$425,000	Datopproved Funding 5425,000	Sen'A cod	Ansaileant Yeshous annort	Project Category richiat Restoration in		CALFED NO.

			Other	CVPIA	Expended	Obligated .		Contracts				
					18%	-X-65						
			\$56,470,391	\$32,076,592	\$39,040,977	\$127,945,572	\$216,744,857	Total: 5				
Executed					Expended	Obligated		Contracts				
0%					0%	37%						
			\$1,500,000	50	30	\$900	\$2,445,000	Total: S				
										Floodpieins & Marchos	and San Josquin (DAS)	9,710
Contract being prepared	one to flood damage. Monitor vegetation and wildlife	1,200	\$1,500,000	0	50	8	\$1,545,000	San Joaquin River	NRCS	Habitat Restoration in	Flooringin Easements: Lower Tunkumne	06 R01
Funds will be used to complete existing projects. New projects will be re NRCS process.	Reduce entrainment of outmignating and resident fish. Measure casen approach, sweet, Funds will be used to complete existing projects. New projects will be recruited through and bypass flow velocities.  NRICS process.		Ş	8	<del>'</del> \$	\$900,000	\$900,000	Delta	NRCS	Fish Screen Passage	Small Diversion Fish Screen Program	96-R01
	1(5)	ce (Federal fund	Conservation Serv	ional Resources	Contract Agency: National Resources Conservation Service (Federal funds)							
Execulad					Expended	Obligated		Contracts				
33%	,				51%	208		۵				
			\$0	\$0	\$2,049,060	\$3,200,000	\$4,020,679	Total: \$		]		
			50		8	<u> </u>	\$820,679		Natural Heritage Institute	Habitat Restoration in Naturel Floodpleins & Marshas Institute	Inundation of a Section of the Yole Bypass   Hablet Rescration in   Naturel Heritage to Restore Secremento Spittad & Other   Floodplains & Marches Institute   Native Species	99-401
Developing strategy. Projects under this program will be extend throu PSP.	CALFED hat identified this program to fund froad Control Bysan habitat projects. They Developing strangy, Projects under this program will be selected through the current are now developing a strategy for Implementation.			<b>8</b>	\$10,696	\$1,200,000	\$1,200,000	Delta		Habital Restoration in Floodplains & Marshes	Flood Control Bypass Habitat Program	98-A02
Project completa.	Repair levoe treach and pump out triand		\$0		\$1,683,045	\$2,000,000	\$2,000,000	Delta	•	Habital Restoration in Floodplains & Marshes	Prospect Island Habital Protection Project	98-A01
Status	Monitoring	Acres	Other Funding	CVPIA Funding	CALFED Funds Expended	CALFED Funds Obligated	CALFED Approved Funding	Geo Area	Applicant	Project Calegory	Project Description	CALFED No.